1. A carrier for a semiconductor device, comprising: a substrate;

at least one conductive trace located on said substrate, said trace including a seat having a cut out portion sized and configured to receive a conductive connecting structure; and

an elastomeric covering material, said material including a gap at a location corresponding to said seat to allow electrical connection of said trace at said seat with a semiconductor die.

- 2. The carrier of claim 1, wherein said gap separates a first portion of said material from a second portion of said material.
- 3. The carrier of claim 2, wherein said first and second portions are generally the same size.
- 4. The carrier of claim 1, further comprising a plurality of said traces.
- 5. The carrier of claim 4, wherein said traces have a pitch size of about 25 microns to about 500 microns.
- 6. The carrier of claim 5, wherein said traces have a pitch size of about 1'50 microns.

7. The carrier of claim 4, wherein each said trace includes a seat having a cut out portion sized and configured to receive a conductive connecting structure.

-15-

- 8. The carrier of claim 7, wherein said seats comprise a metallic surface.
- 9. The carrier of claim 8, wherein said metallic surface comprises nickel and gold.
- 10. The carrier of claim 7, wherein said cut out portions extend through said traces to said substrate.
- 11. The carrier of claim 7, wherein said cut out portions extend through said traces into said substrate.
- 12. The carrier of claim 7, wherein said cut out portions partially extend through said traces.
- 13. The carrier of claim 7, wherein each said conductive connecting structure is a solder ball.
- 14. The carrier of claim 1, wherein said substrate comprises a film.
- 15. The carrier of claim 14, wherein said film is a polyimide film.
- 16. The carrier of claim 1, wherein said cut out portions are in the range of 0.005 mm<sup>2</sup> to 1.0 mm<sup>2</sup> in area.

- 17. A carrier for a semiconductor device, comprising:
  - a substrate;

a plurality of conductive traces located on said substrate, said traces each including a seat having a cut out portion sized and configured to receive a conductive connecting structure;

an elastomeric covering material, said material including a gap at a location separating a first portion of said material from a second portion of said material and corresponding to said seat to allow electrical connection of said traces with a semiconductor die.

- 18. The carrier of claim 17, wherein said seats comprise a metallic surface.
- 19. The carrier of claim 18, wherein said metallic surface comprises nickel and gold.
- 20. The carrier of claim 17, wherein said first and second portions are generally the same size.
- 21. The carrier of claim 17, wherein said seats extend through said traces to said substrate.
- 22. The carrier of claim 17, wherein said seats extend through said traces into said substrate.

- 23. The carrier of claim 17, wherein said seats partially extend through said traces.
- 24. The carrier of claim 17, wherein each said conductive connecting structure is a solder ball.
- 25. The carrier of claim 17, wherein said substrate comprises a film.
- 26. The carrier of claim 25, wherein said film is a polyimide film.
- 27. The carrier of claim 17, wherein said cut out portions are in the range of 0.005 mm<sup>2</sup> to 1.0 mm<sup>2</sup> in area.
- 28. A semiconductor device comprising a semiconductor die electrically connected to a carrier, said carrier comprising:

a substrate;

at least one conductive trace located on said substrate, said trace including a seat having a cut out portion sized and configured to receive a conductive connecting structure; and

an elastomeric covering material, said material including a gap corresponding to said seat to allow electrical connection of said trace with said semiconductor die.

29. The semiconductor device of claim 28, further comprising a plurality of said traces.

- 30. The semiconductor device of claim 28, wherein each said trace includes a seat sized and configured to receive a conductive connecting structure.
- 31. The semiconductor device of claim 30, wherein said seats comprise a metallic surface.
- 32. The semiconductor device of claim 31, wherein said metallic surface comprises nickel and gold.
- 33. The semiconductor device of claim 30, wherein said seats extend through said traces to said substrate.
- 34. The semiconductor device of claim 30, wherein said seats extend through said traces into said substrate.
- 35. The semiconductor device of claim 30, wherein said seats partially extend through said traces.
- 36. The semiconductor device of claim 28, wherein said substrate comprises a film.
- 37. The semiconductor device of claim 36, wherein said film is a polyimide film.
- 38. The semiconductor device of claim 28, wherein said cut out portions are in the range of 0.005 mm<sup>2</sup> to 1.0 mm<sup>2</sup> in area.

- 39. The semiconductor device of claim 28, wherein said semiconductor die contains a memory circuit.
- 40. An electronic system, comprising:
  - a semiconductor die;
  - a die carrier comprising:
    - a substrate;
  - a plurality of conductive traces located on said substrate,
    each said trace including a seat having a cut out portion receiving
    a conductive connecting structure; and

an elastomeric covering material, said material including a gap corresponding to said seats, said traces being electrically connected with said semiconductor die through a respective conductive connecting structure provided within said gap; and a structure for mounting said carrier.

- 41. The system of claim 40, wherein said structure for mounting said carrier comprises a printed circuit board.
- 42. The system of claim 40, wherein said seats comprise a metallic surface.
- 43. The system of claim 42, wherein said metallic surface comprises nickel and gold.

- 44. The system of claim 40, wherein said seats extend through said traces to said substrate.
- 45. The system of claim 40, wherein said seats extend through said traces into said substrate.
- 46. The system of claim 40, wherein said seats partially extend through said traces.
- 47. The system of claim 40, wherein the system comprises a processor-based computer system.
- 48. A method for making a carrier for a semiconductor device, said method comprising:

forming a seat with a cut out portion on at least one trace located on a substrate, said seat being sized and configured to receive a conductive connecting structure; and

providing an elastomeric material over said substrate and said trace with a gap at said seat to allow electrical connection of a conductive connecting structure with a semiconductor die.

- 49. The method of claim 48, further comprising affixing a conductive connecting structure to said cut out portion.
- 50. The method of claim 49, wherein said affixing comprises affixing a solder ball to said seat.

- 51. The method of claim 50, further comprising electroplating said seat with one or more metals.
- 52. The method of claim 51, wherein said electroplating comprises electroplating said seat with nickel and gold.
- 53. The method of claim 48, further comprising affixing a conductive connecting structure to said semiconductor die.
- 54. The method of claim 48, wherein said trace is deposited on said substrate.
- 55. The method of claim 54, wherein said location comprises depositing a plurality of traces.
- 56. The method of claim 55, wherein said deposition comprises electrolytic deposition.
- 57. The method of claim 55, wherein said deposition comprises sputter coating.
- 58. The method of claim 55, wherein said deposition comprises: laminating a conductive material to said substrate; and etching said conductive material.
- 59. The method of claim 48, wherein said forming comprises forming a seat with a cut out portion for each said trace.

- 60. The method of claim 59, wherein said forming comprises laser drilling.
- 61. The method of claim 59, wherein said forming comprises mechanical drilling.
- 62. The method of claim 59, wherein said forming comprises etching.
- 63. The method of claim 59, wherein said forming comprises mechanical coining.
- 64. The method of claim 59, wherein said forming comprises laser ablating.
- 65. A method of making a semiconductor device comprising: assembling a carrier, said assembling comprising:

forming a seat with a cut out portion on at least one trace located on a substrate, said seat being sized and configured to receive a conductive connecting structure; and

positioning an elastomeric material over said substrate and said trace with a gap at said seat to allow electrical connection of a conductive connecting structure with a semiconductor die; and electrically connecting said carrier with a semiconductor die.

66. The method of claim 65, further comprising affixing a conductive connecting structure to said cut out portion.

- 67. The method of claim 66, wherein said affixing comprises affixing a solder ball to said seat.
- 68. The method of claim 65, further comprising electroplating said seat with one or more metals.
- 69. The method of claim 68, wherein said electroplating comprises electroplating said seat with nickel and gold.
- 70. The method of claim 65, wherein said trace is deposited on said substrate.
- 71. The method of claim 70, wherein said deposition comprises depositing a plurality of traces.
- 72. The method of claim 71, wherein said deposition comprises electrolytic deposition.
- 73. The method of claim 71, wherein said deposition comprises sputter coating.
- 74. The method of claim 71, wherein said deposition comprises: laminating a conductive material to said substrate; and etching said conductive material.
- 75. The method of claim 65, wherein said forming comprises forming a seat with a cut out portion for each said trace.

- 76. The method of claim 65, wherein said forming comprises laser drilling.
- 77. The method of claim 65, wherein said forming comprises mechanical drilling.
- 78. The method of claim 65, wherein said forming comprises etching.
- 79. The method of claim 65, wherein said forming comprises mechanical coining.
- 80. The method of claim 65, wherein said forming comprises laser ablating.